Features of your new air conditioner

2-step cooling

2-step cooling function will quickly cool the room to reach the set temperature and then it will adjust the fan speed and air flow direction automatically to help you stay comfortable and refreshing.

Fast cooling/heating

If you want the strong and cool/warm air, just select Fast function! It will get you the strongest air!

Comfort cooling/heating

If you want the comfortable and refreshing air, Comfort function will spread the cool/warm air indirectly to you, so that you can stay comfortable.

Single User

Use Single User function when you are alone at home. Single User function will minimize the energy consumption with inverter technology and reduce your electricity bill by adjusting the maximum operating capacity of the compressor.

Easy Filter

There is no grille to remove before separating the filter from the air conditioner! Therefore, filter can be cleaned easily, more frequently! Frequent filter cleaning will prevent dust from entering into the product or accumulating on the filter.

good'sleep function

good'sleep function will allow you to have deep, good night's sleep by adjusting the temperature, fan speed and air flow direction.

Smart Install

When the installation is done, your product will examine itself through trial operation to check if it was installed properly.

Easy Installation

It's so easy to install! You can easily hang the product on the wall and connect the pipes and wires by opening the cover on the bottom of the product. Now you won't have to tilt the product to connect the pipe and the wires!

This product has been determined to be in compliance with the R&TTE Directive (1999/5/EC), the Low Voltage Directive (2006/95/EC) and the Electromagnetic Compatibility Directive (2004/108/EC) of the European Union.

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

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Safety precautions

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have any questions, call your nearest contact center or find help and information online at www.samsung.com.

Important safety symbols and precautions:

⚠ WARNING	Hazards or unsafe practices that may result in **severe personal injury or death.**
⚠ CAUTION	Hazards or unsafe practices that may result in **minor personal injury or property damage.**

❗	Follow directions.		Cut-off the power supply.
⊘	Do NOT attempt.		Do NOT disassemble.
⏚	Make sure the machine is grounded to prevent electric shock.		

FOR INSTALLATION ⚠ WARNING

❗ **Use the power line with the power specifications of the product or higher and use the power line for this appliance only. In addition, do not use an extension line.**

- ▶ Extending the power line may result in electric shock or fire.
- ▶ Do not use an electric transformer. It may result in electric shock or fire.
- ▶ If the voltage/frequency/rated current condition is different, it may cause fire.

The installation of this appliance must be performed by a qualified technician or service company.

- ▶ Failing to do so may result in electric shock, fire, explosion, problems with the product, or injury and may also void warranty on the installed product.

Install a Isolation Switch next to the Air Conditioner (but not on the panels of the Air Conditioner)and circuit breaker dedicated to the air conditioner.

- ▶ Failing to do so may result in electric shock or fire.

Fix the outdoor unit firmly so that the electric part of the outdoor unit is not exposed.

- ▶ Failing to do so may result in electric shock, fire, explosion, problems with the product.

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Do not install this appliance near a heater, inflammable material. Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this appliance in a location where gas may leak.

▶ This may result in electric shock or fire.

Never install the outdoor unit in a location such as on a high external wall where it could fall.

▶ If the outdoor unit falls, it may result in injury, death or property damage.

This appliance must be properly grounded. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

▶ Failure to do so may result in electric shock, fire, and explosion.

▶ Make sure to use a socket-outlet with ground.

FOR INSTALLATION | ⚠ CAUTION

Install your appliance on a level and hard floor that can support its weight.

▶ Failing to do so may result in abnormal vibrations, noise, or problems with the product.

Install the draining hose properly so that water is drained correctly.

▶ Failing to do so may result in water overflowing and property damage. Avoid adding drain to waste pipes as odours may arise in the future.

When installing the outdoor unit, make sure to connect the draining hose so that draining is performed correctly.

▶ The water generated during the heating operation by the outdoor unit may overflow and result in property damage.
In particular, in winter, if a block of ice falls, it may result in injury, death or property damage.

FOR POWER SUPPLY | ⚠ WARNING

When the circuit breaker is damaged, contact your nearest service center.

Do not pull or excessively bend the power line. Do not twist or tie the power line. Do not hook the power line over a metal object, place a heavy object on the power line, insert the power line between objects, or push the power line into the space behind the appliance.

▶ This may result in electric shock or fire.

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Safety precautions

FOR POWER SUPPLY | ⚠ CAUTION

When not using the air conditioner for a long period of time or during a thunder/lightning storm, cut the power at the circuit breaker.

▶ Failing to do so may result in electric shock or fire.

FOR USING | ⚠ WARNING

If the appliance is flooded, please contact your nearest service center.

▶ Failing to do so may result in electric shock or fire.

If the appliance generates a strange noise, a burning smell or smoke, cut-off the power supply immediately and contact the nearest service center.

▶ Failing to do so may result in electric shock or fire.

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power line. Do not touch the appliance or power line.

▶ Do not use a ventilating fan.

▶ A spark may result in an explosion or fire.

To reinstall the air conditioner, please contact your nearest service center.

▶ Failing to do so may result in problems with the product, water leakage, electric shock, or fire.

▶ A delivery service for the product is not provided. If you reinstall the product in another location, additional construction expenses and an installation fee will be charged.

▶ Especially, when you wish to install the product in an unusual location such as in an industrial area or near the seaside where it is exposed to the salt in the air, please contact your nearest service center.

Do not touch the circuit breaker with wet hands.

▶ This may result in electric shock.

Do not turn the air conditioner off with the circuit breaker while it is operating.

▶ Turning the air conditioner off and then on again with the circuit breaker may cause a spark and result in electric shock or fire.

After unpacking the air conditioner, keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

▶ If a child places a bag over its head, it may result in suffocation.

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Do not touch the air flow blade with your hands or fingers during the heating operation.

▶ This may result in electric shock or burns.

Do not insert your fingers or foreign substances into the air inlet/outlet of the air conditioner.

▶ Take special care that children do not injure themselves by inserting their fingers into the product.

Do not strike or pull the air conditioner with excessive force.

▶ This may result in fire, injury, or problems with the product.

Do not place an object near the outdoor unit that allows children to climb onto the machine.

▶ This may result in children seriously injuring themselves.

Do not use this air conditioner for long periods of time in badly ventilated locations or near infirm people.

▶ Since this may be dangerous due to a lack of oxygen, Open a window at least once an hour.

If any foreign substance such as water has entered the appliance, cut-off the power supply and contact the nearest service center.

▶ Failing to do so may result in electric shock or fire.

Do not attempt to repair, disassemble, or modify the appliance yourself.

▶ Do not use any fuse (such as cooper, steel wire, etc.)other than the standard fuse.

▶ Failing to do so may result in electric shock, fire, problems with the product, or injury.

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Safety precautions

FOR USING | ⚠CAUTION

Do not place objects or devices under the indoor unit.

▶ Water dripping from the indoor unit may result in fire or property damage. (example electrical appliances)

Check that the installation frame of the outdoor unit is not broken at least once a year.

▶ Failing to do so may result in injury, death or property damage.

Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.

▶ This may result in electric shock, fire, problems with the product, or injury.

Do not operate the appliance with wet hands.

▶ This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.

▶ As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not drink the water from the air conditioner.

▶ The water may be harmful to humans.

Do not apply a strong impact to the remote controller and do not disassemble the remote controller.

Do not touch the pipes connected with the product.

▶ This may result in burns or injury.

Do not use this air conditioner to preserve precision equipment, food, animals, plants or cosmetics, or for any other unusual purposes.

▶ This may result in property damage.

Avoid directly exposing humans, animals or plants from the air flow from the air conditioner for long periods of time.

▶ This may result in harm to humans, animals or plants.

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This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

For use in Europe : This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

FOR CLEANING | ⚠WARNING

Do not clean the appliance by spraying water directly onto it. Do not use benzene, thinner or alcohol to clean the appliance.

▶ This may result in discoloration, deformation, damage, electric shock or fire.

Before cleaning or performing maintenance, cut-off the power supply and wait until the fan stops.

▶ Failing to do so may result in electric shock or fire.

FOR CLEANING | ⚠CAUTION

Take care when cleaning the surface of the heat exchanger of the outdoor unit since it has sharp edges.

▶ This should be done by a qualified technician please contact your installer or service center.

Do not clean the inside of the air conditioner by yourself.

▶ For cleaning inside the appliance, contact your nearest service center.

▶ When cleaning the internal filter, refer to the descriptions in the 'Cleaning the air conditioner' section.

▶ Failure to do may result in damage, electric shock or fire.

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Checking before use

Operation ranges

The table below indicates the temperature and humidity ranges the air conditioner can be operated within. Refer to the table for efficient use.

Mode	Indoor temperature	Outdoor temperature	Indoor humidity
Cooling	16 ˚C~32 ˚C	-10 ˚C~46 ˚C	Relative humidity 80% or less
Heating	27 ˚C or less	-15 ˚C~24 ˚C	-
Dry	18 ˚C~32 ˚C	-10 ˚C~46 ˚C	-

- If the air conditioner operates in cooling mode for long period of time in high humidity area, dew may be formed.
- If the outdoor temperature goes down to -5 ˚C, heating capacity may decrease as much as 60 %~70 % of specified capacity according to the using conditions.

Model : AJ∗∗∗

Mode	Indoor temperature	Outdoor temperature	Indoor humidity	Remark
Cooling	16˚C~32˚C	-5˚C~46˚C	80% or less	AJ100*** outdoor temperature : -10˚C~46˚C .
Heating	27˚C or less	-15˚C~24˚C	-	-
Dry	18˚C~32˚C	-5˚C~46˚C	-	AJ100*** outdoor temperature : -10˚C~46˚C .

- The standardized temperature for heating is 7˚C. If the outdoor temperature drops to 0˚C or below, the heating capacity can be reduced depending on the temperature condition.
- If the cooling operation is used at over 32˚C(indoor temperature), it does not cool at its full capacity.

Maintaining your air conditioner

Internal protections via the unit control system

- This internal protection operates if an internal fault occurs in the air conditioner.

Type	Description
Against cold air	The internal fan will be off to prevent cold air when the heat pump is heating.
Defrost cycle	The internal fan will be off to defrost ice when the heat pump is heating. Vertical air flow blade will be closed during defrost cycle and it will open again during heating operation after defrost cycle.
Protect compressor	The air conditioner does not start operating immediately to help protect the compressor of the outdoor unit after it has been started.

NOTE

- If the heat pump is operating in Heat mode, defrost cycle is actuated to help remove frost from an outdoor unit that may have deposited at low temperatures.
  The internal fan is switched off automatically and restarted only after the defrost cycle is completed.

Smart install

If using a multi system, this function is not supported.

- Through Smart install function, installer can check if the installation was done properly.
- If the installation was not done properly, error indicator will turn on the indoor unit display.
  Therefore user will know if the installation was done properly or not.

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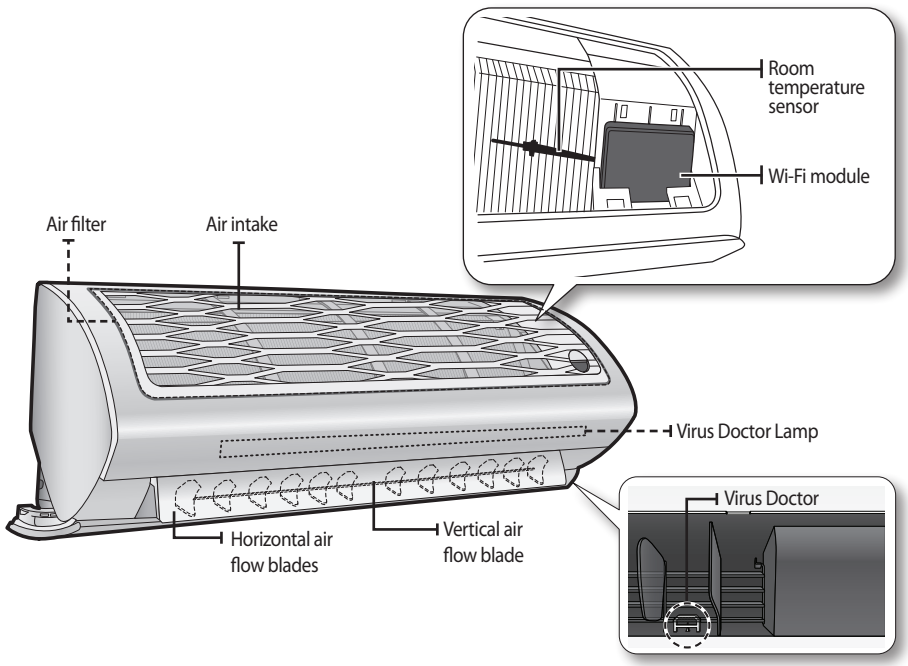
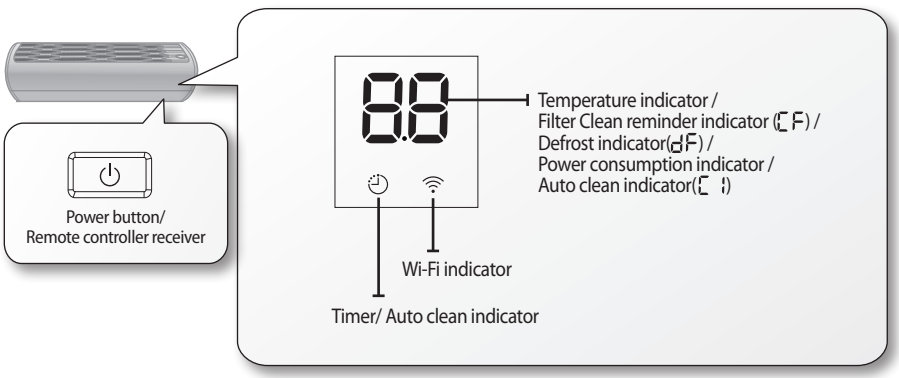
Checking the name of the parts

Your air conditioner may slightly look different from illustration shown below depending on your model.

Main parts



Display



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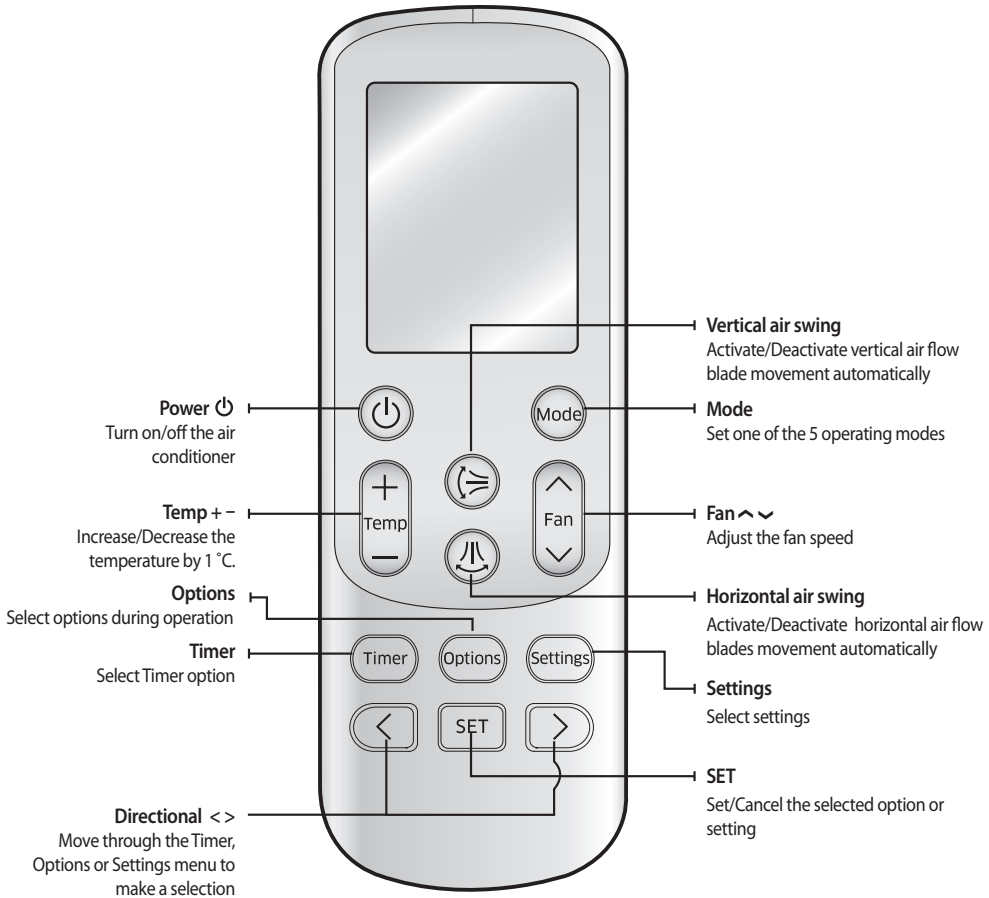
Checking the remote controller

- Point the remote controller towards the remote controller receiver of the indoor unit.
- When you properly press the button on the remote controller, you will hear beep sound from the indoor unit and a transmit indicator( ) appears on the remote controller display.

Remote controller buttons

✳ Before using the functions of the remote controller, you should set the current time. (Refer to page 17)



NOTE

- In case you wish to cancel the options or settings that you have just set, press the **Options** or **Settings** button again, then the most recently selected item will blink and you may simply cancel it by pressing the SET button while selected item is blinking.

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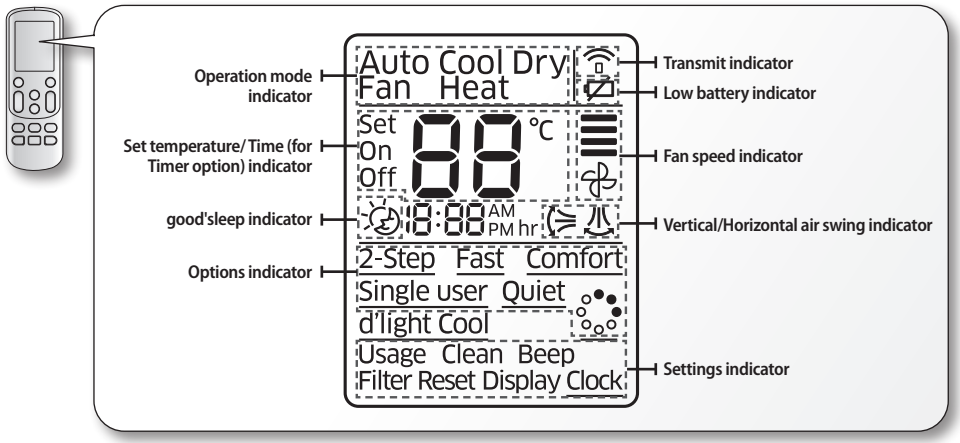
Remote controller display



CAUTION

- Make sure that the water does not get to the remote controller.
- d'light Cool function is displayed on the remote controller display but not supported in this model.
- When turning off and turning on the remote controller, the **Timer, Options** and **Settings** set before turning off the remote controller are cancelled. However, the fan direction does not change.

Low Battery warning

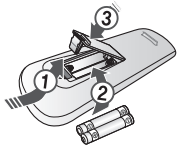
When the battery is exhausted, (▭) will be displayed in the remote controller display. When the icon appears, change the batteries. The remote controller requires two 1.5 V AAA type batteries.

Storing the remote controller

When you do not use the remote controller for long time, remove the batteries from the remote controller and store it.

Inserting the batteries

1. **Push the lever as arrow indicates on the rear side of the remote controller and pull up.**
2. **Insert two AAA batteries.**
   Check and match the "+" and "-" signs accordingly. Make sure you have inserted the batteries in correct position.
3. **Close the cover by place it back to its original position.**
   You should hear click sound when the cover is locked properly.



NOTE

- The signal may not be received well of electronic lighting style fluorescent lamps such as inverter fluorescent lamps are in the same space.
- If other electrical products operate by the remote controller, call your nearest contact center.

Correct disposal of batteries in this product

(Applicable in countries with separate collection systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66.
If batteries are not properly disposed of, these substances can cause harm to human health or the environment.
To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

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Basic function

Basic operation is an operation mode that can be selected by pressing the **Mode** button.

Auto(2-Step Cooling or Heat)

In Auto mode, the air conditioner will automatically set the temperature and fan speed depending on the room temperature.

- 2-Step Cooling mode sets the air conditioner to operate in Fast + Cool mode when set temperature is lower than indoor temperature, and then the air conditioner will automatically operate in Dry mode when indoor temperature reaches set temperature.
- If using a multi system, in Auto operation, the system selects a temperature setting and an appropriate operation mode (COOL or HEAT) based on the room temperature at the start of the operation.

Cool

In Cool mode, the air conditioner will cool your room. You can adjust the temperature and the fan speed to feel cooler in hot season.

- If current outside temperature is much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness.
- Quiet mode makes the noise quieter during the operation of the indoor unit in the Cool mode.

Dry

The air conditioner in Dry mode acts like a dehumidifier by removing moisture from the indoor air.
Dry mode makes the air feel refreshing in a humid climate.

To activate the Dry mode, set temperature on the remote controller should be lower than indoor room temperature.

Fan

Fan mode can be selected to circulate your room. Fan mode will be helpful to refresh the stale air in your room.

Heat

The air conditioner heats as well as cools. Warm your room with this versatile appliance in the cold of winter.

- Fan may not operate for about 3~5 minutes at the beginning to prevent any cold blasts while the air conditioner is warming up.
- Quiet mode makes the noise quieter during the operation of the indoor unit in the Heat mode.
- Since the air conditioner heats the room by taking heat energy from outdoor air, the heating capacity may decrease when outdoor temperature is extremely low.
  Use an additional heating appliance in combination with the air conditioner if you feel the air conditioner heats insufficiently.

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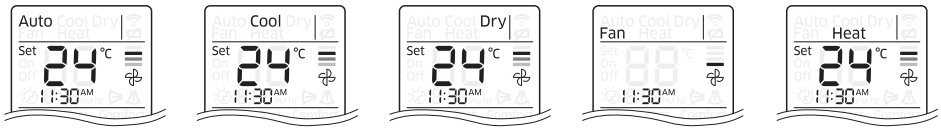
Press the button to turn on the air conditioner.

Press the Mode button to set the operating mode.

- Each time you press the **Mode** button, the mode will change in order of Auto, Cool, Dry, Fan and Heat.



Press the Temp button to adjust the temperature.

Auto	You can adjust the set temperature by 1 °C within the range of 16 °C~30 °C.
Cool	You can adjust the set temperature by 1 °C within the range of 16 °C~30 °C.
Dry	You can adjust the set temperature by 1 °C within the range of 18 °C~30 °C.
Fan	Temperature adjustment is not possible.
Heat	You can adjust the set temperature by 1 °C within the range of 16 °C~30 °C.

Press the Fan button to set the desired fan speed.

Auto	(Auto)
Cool	(Auto), (Low), (Med), (High), (Turbo)
Dry	(Auto)
Fan	(Low), (Med), (High), (Turbo)
Heat	(Auto), (Low), (Med), (High), (Turbo)

NOTE

- Dry mode is only available in the cooling mode.

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Adjusting the air flow direction

This function will allow you to adjust the air flow direction vertically and/or horizontally.

Press the or button to make air flow blades vertically and/or horizontally.

Vertical air flow

Remote controller display

Horizontal air flow

Remote controller display

- To keep the air flow direction in a constant direction, press the or button again. The air flow blade(s) will stop the movement.
- If you adjust the vertical air flow blade manually, it may not close completely when you turn off the air conditioner.
- If you adjust the horizontal air flow blade manually, it may not operate normally.

NOTE

- Adjusting the air flow direction is not available in good'sleep mode while it is in cool mode.
- However, you can adjust the air flow direction in good'sleep mode while it is in heat mode .

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Setting the Current time

Before using the functions of the air-conditioner, set the current time.

Remote controller display

1. Press the **Settings** button.
2. Press the ◁, ▷ or **Settings** button until (Colck) indicator starts to blink.
3. Press the **SET** button to set the **Colck** function.
   - (Colck)→(Colck) indicator will be displayed on the remote controller display and you can set the time.
4. Press the ◁ ▷ button to set the time.
   - You can set the time in hourly units from 1 hour ~ 12 hours according to AM, PM and in minute units from 0 ~ 59 minutes.
5. Press the **SET** button to complete the current time setting.
   - Current time setting will be cancelled if you don't press the **SET** button within 10 seconds after setting the time. Therefore, check for the current time on the remote controller display.

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Setting the On/Off timer

CAUTION
- Check the current time on the remote controller before using this function.
- The default time is 1 AM on the remote controller. The current time is reset to default time after changing the batteries.

You can set the air conditioner to turn on/off automatically at desired time.

Setting **On timer** while the air conditioner is off / **Off timer** while the air conditioner is on

1. Press the **Timer** button to select (On/Off).
   - (On/Off) indicator will keep blinking and you can set the time.
2. Press the ◁ ▷ button to set the time.
   - You can set the time in hourly units from 1 hour ~ 12 hours according to AM, PM and in minute units from 0 ~ 59 minutes.
3. Press the **SET** button to complete the On/off timer setting.
   - (On/Off) indicator and the set time of the timer will be displayed on the remote controller display and the Timer indicator (🕘) will be displayed on the indoor unit display.
   - On/Off timer setting will be cancelled if you don't press the **SET** button within 10 seconds after setting the time. Therefore, check for the (On/Off) indicator on the remote controller display and the Timer indicator (🕘) on the indoor unit display.

Setting On timer

Remote controller display

Cancel
- ▶ Press the **Timer** button → select (On/Off) → press the ◁ or ▷ button →set the timer to --:-- → press the **SET** button.
- ▶ Press the **Power** (⏻) button.

Setting Off timer

Remote controller display

NOTE
- When **On/Off timer** setting is completed, the set status will be displayed for 3 seconds, and then only (On/Off) indicator will remain on the remote controller display thereafter.
- If you press the **Power** ⏻ button on the indoor unit after setting the On/Off timer from the remote controller, Timer indicator on the indoor unit display will disappear and the On/Off timer will be cancelled. Even though the On/Off timer is cancelled, (On/Off) indicator on the remote controller will remain displayed.
- When the On timer is set while the air conditioner is off, Timer indicator (🕘) will be displayed and remain on until the On timer turns on.
- Off timer may not work depending on the On/Off status of the indoor unit and the On/Off status of the indicator on the remote controller display.
- Only the latest setting timer will be applied between the On Timer/Off Timer and good'sleep Off timer functions.

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Additional options available in On/Off timer mode (When the remote controller is on)	
Mode	You can select from Auto/Cool/Dry/Fan /Heat.
+ Temp −	You can set the temperature after selecting the operation mode. Temperature adjustment is available when Auto/Cool/Dry /Heat mode is selected.

Setting on timer and off timer simultaneously

Remote controller display

Follow the same process for setting on timer and off timer.

NOTE

- On timer and Off timer setting time should be different from each other.
- Press the **Power** ⏻ button on the remote controller while timer combination is on. Both of the On and Off timer will be canceled and the indicator will disappear.

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good'sleep mode

For a comfortable sleep, the air conditioner will operate in 3 stages in order of Fall asleep ▷ Sound sleep ▷ Wake up stage.
When the air conditioner is operating in Cool/Heat mode;

Remote controller display

1. Press the **Timer** button to select (good'sleep).
   - (good'sleep) indicator will keep blinking and you can set the time.
2. Press the ◁ ▷ button to set the time.
   - You can set the time in half hour unit from 30 minutes (0.5 on the display) ~ 3 hours and hour unit from 3~12 hours.
   - Time can be set from minimum 30 minutes to maximum 12 hours.
   - Default time setting for the **good'sleep** mode is 8 hours.
3. Press the **SET** button to complete the **good'sleep** mode setting.
   - (good'sleep) indicator and the set time of the **good'sleep** mode will be displayed on the remote controller display.
   - Timer indicator (clock) will be displayed on the indoor unit display.
   - **good'sleep** mode setting will be cancelled if you don't press the **SET** button within 10 seconds after setting the time. Therefore, check for the (good'sleep) indicator on the remote controller display and the Timer indicator (clock) on the indoor unit display.

Cancel ▶ Press the **Timer** button → select (good'sleep) → press the ◁ or ▷ button → set the timer to --.-- → press the **SET** button.

Additional options available in good'sleep mode	
	You can adjust the set temperature by 1 ℃ within the range of 16 ℃~30 ℃.

Temperature and fan speed change in good'sleep mode

- Fall asleep: Eases you into sleep by dropping the temperature.
- Sound sleep: Relaxes your body and raises your temperature slightly.
- Wake up: Allows you to wake up from comfortable intermittent air and it makes you feel refreshed.

NOTE

- Fan speed and the air flow direction will be adjusted automatically in **good'sleep** mode.
- Recommended set temperature is between 25 ℃ ~ 27 ℃ for cooling and 21 ℃~23 ℃ for heating.
- If the set temperature is too low, you may feel cold during sleep or catch a cold.
- Optimal operation hour of **good'sleep** mode is 8 hours. Therefore, if the time is set too short or long, you may not feel as comfortable as you would expect.
- If the **good'sleep** mode is set over 5 hours, Wake up stage will begin when 1 hour is remaining in the operation time and the air conditioner will stop automatically.
- When the On timer and the **good'sleep** function is set simultaneously, the air conditioner will only apply the function that was set later.

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2-Step cooling function

2-Step Cooling function will set the air conditioner to cool the room quickly to reach the set temperature when the indoor temperature is higher than the set temperature, and then the air conditioner will automatically operate in Dry mode when indoor temperature reaches set temperature.

When the air conditioner is operating in Cool mode;

Remote controller display

1. Press the **Options** button.
2. Press the ◁, ▷ or **Options** button until (2-Step) indicator starts to blink.
3. Press the **SET** button to set the 2-Step Cooling function.
   - (2-Step)→(2-Step) indicator will be displayed on the remote controller display and **2-Step Cooling** function will begin.

Cancel ▶ Press the **Options** button → Press the ◁, ▷ or **Options** button to make the (2-Step) indicator blink and press the **SET** button.

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Using the Fast function

You can set the Fast function to provide fast and powerful cooling/heating.

When the air conditioner is operating in Cool/Heat mode;

1. Press the **Options** button.
2. Press the ◁, ▷ or **Options** button until (Fast) indicator starts to blink.
3. Press the **SET** button to set the Fast function.
   - (Fast)→(Fast) indicator will be displayed on the remote controller display and **Fast** function will begin.

Cancel ▶ Press the **Options** button → Press the ◁, ▷ or **Options** button to make the (Fast) indicator blink and press the **SET** button.

Remote controller display

NOTE

- Fast function is only available in Cool/Heat mode.
- Vertical/Horizontal air swing can be adjusted.
- Set temperature and fan speed cannot be adjusted.
- If the Fast function is selected while 2-Step Cooling/Comfort/Single user/Quiet/good'sleep function is on, corresponding function will be cancelled.
- When you select Fast function in Heat mode, you may not be able to increase fan speed in order to prevent any cool air from blowing.

Using the Comfort function

You can set the Comfort function to provide mild cooling/heating.

When the air conditioner is operating in Cool/Heat mode;

1. Press the **Options** button.
2. Press the ◁, ▷ or **Options** button until (Comfort) indicator starts to blink.
3. Press the **SET** button to set the Fast function.
   - (Comfort)→(Comfort) indicator will be displayed on the remote controller display and **Comfort** function will begin.

Cancel ▶ Press the **Options** button →Press the ◁, ▷ or **Options** button to make the (Comfort) indicator blink and press the **SET** button.

Remote controller display

NOTE

- Comfort function is only available in Cool/Heat mode.
- Vertical/Horizontal air swing can be adjusted.
- Set temperature can be adjusted, but fan speed cannot be adjusted.
- If the Comfort function is selected while 2-Step Cooling/ Fast/Single user/Quiet/good'sleep function is on, corresponding function will be cancelled.

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Using the Single User function

If using a multi system, this function is not supported.

This function will reduce the energy usage while the air conditioner is operating in Cool/Heat mode.

When the air conditioner is operating in Cool/Heat mode;

Remote controller display

1. Press the **Options** button.
2. Press the ◁, ▷ **or Options** button until (Single user) indicator starts to blink.
3. Press the **SET** button to set the Single user function.
   - (Single user)→ (Single user) indicator will be displayed on the remote controller display. Then ⚌ ⚌ will be displayed on the set temperature indicator part for few seconds and Single user function will begin.
   - When the Single user function is on, vertical air swing will turn on automatically.
   - If the current set temperature is lower than 24°C in Cool mode, it will be automatically raised to 24 °C.

Cancel ▶ Press the **Options** button → Press the ◁, ▷ **or Options** button to make the (Single user) indicator blink and press the **SET** button.

NOTE

- Single user function is only available in Cool/Heat mode.
- If the Single user function is selected while 2-Step Cooling/Fast/Comfort / Quiet/good'sleep function is on, corresponding function will be cancelled.
- Vertical air swing will remain on even after the Single user function is cancelled.

Additional options available in Single user function	
Temp	You can adjust the set temperature by 1 °C within the range of 24 °C ~ 30 °C in Cool mode and 16 °C ~ 30 °C in Heat mode.
Fan	(Auto), (Low), (Med), (High), (Turbo) can be selected.
	Vertical/Horizontal air swing can be selected.

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Using the Quiet function

You can reduce the noise generated from an indoor unit during Cool/Heat mode.

When the air conditioner is operating in Cool/Heat mode;

Remote controller display

1. Press the **Options** button.
2. Press the ◁, ▷ **or Options** button until (Quiet) indicator starts to blink.
3. Press the **SET** button to set the Quiet function.
   - (Quiet)→(Quiet) indicator will be displayed on the remote controller display and **Quiet** function will begin.

Cancel ▶ Press the **Options** button → Press the ◁, ▷ or **Options** button to make the (Quiet) indicator blink and press the **SET** button.

Additional options available in Quiet function	
	You can adjust the set temperature by 1 °C within the range of 16 °C ~ 30 °C.
	Fan speed is set to (Auto).
	Vertical/Horizontal air swing can be selected.

NOTE

- Quiet function is only available in Cool/Heat mode.
- If the Quiet function is selected while 2-Step Cooling/Fast /Comfort/ Single user/good'sleep function is on, corresponding function will be cancelled.

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Using the **Virus Doctor** function

This function will produce positive ions and supply them into the airflow.

When the air conditioner is operating;

Remote controller display

1. Press the **Options** button.
2. Press the ◁, ▷ or **Options** button until ( ) indicator starts to blink.
3. Press the **SET** button to set the Virus Doctor function.
   - ( )→( ) indicator will be displayed on the remote controller display and **Virus Doctor** function will begin.

Cancel ▶ Press the **Options** button → Press the ◁, ▷ or **Options** button to make the ( ) indicator blink and press the **SET** button.

NOTE

- Virus Doctor lamp will turn on when the Virus Doctor function turns on, and it will turn off when the function is cancelled.
- Virus Doctor function can be selected while Auto/Cool/Dry/Fan/Heat mode is on.
- Set temperature can be adjusted.
- There will not be much difference on energy consumption and operating noise when the Virus Doctor function is selected additionally while the other function is on.
- When the Virus Doctor function is selected with other operation mode, pressing the Power button will stop the operation.

When the air conditioner is not in operation;

1. Press the **Options** button.
2. When the ( ) indicator blinks, press the **SET** button to select the **Virus Doctor** function.
   - ( )→( ) indicator will be displayed on the remote controller display and **Virus Doctor** function will begin.

Cancel
- ▶ Press the **Options** button to make the ( ) indicator blink and press the **SET** button.
- ▶ Press the Power(⏻) button.

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Checking the power consumption

This function will display the amount of electricity consumed by operating the air conditioner.

When the air conditioner is operating;

Indoor unit display

1. Press the **Settings** button.
2. Press the ◁, ▷ or **Settings** button until (Usage) indicator starts to blink.
3. Press the **SET** button to check the power consumption.
   - 3 seconds after setting power consumption checking function, (Usage) indicator on the remote controller will disappear.
   - Indoor unit will display the amount of Power consumption for few seconds and then return to usual status by displaying the set indoor temperature.
   - Power consumption will be calculated from the moment the air conditioner is turned on and calculated value will be reset when the air conditioner turns off.
   - 0.1 is the default value of the electricity consumption and 99 is the maximum value. Unit is in kWh.

NOTE

- When the air conditioner is not operating, power consumption will not be displayed on the indoor unit display.

Using the Auto clean function

Auto clean function will minimise the moisture inside of the indoor unit. Activate this function to help provide you with clean air.

When the air conditioner is operating;

Indoor unit display

1. Press the **Settings** button.
2. Press the ◁, ▷ or **Settings** button until (Clean) indicator starts to blink.
3. Press the **SET** button to set the Auto clean function.
   - 3 seconds after setting **Auto clean** function, (Clean) indicator on the remote controller display will disappear and **Auto clean** (), **Timer** () indicator will turn on the indoor unit display. Auto clean function will be activated after the air conditioner stops operating.
   - Duration of the Auto clean function can be different depending on the previous operation mode used.
     Auto(cool), Cool, Dry mode : 30 minutes.
     Auto(heat), Heat , Fan mode: 15 minutes.

Cancel ▶ Press the **Settings** button → Press the ◁, ▷ or **Settings** button to make the (Clean) indicator blink and press the **SET** button.

NOTE

- When the operation mode is set during Auto clean function is activated, the air conditioner will operate in chosen operation mode and the Auto clean function will be re-activated when the operation stops.
- During the auto clean function, indoor fan will continue to run and air flow blade will remain open to expel ambient air.

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Resetting the Filter clean reminder

When Filter clean reminder (CF) lights up on the indoor unit display, clean the filter and reset the reminder by following this instruction.

Indoor unit display

1. Press the **Settings** button.
2. Press the ◁, ▷ or **Settings** button until (Filter Reset) indicator starts to blink.
3. Press the **SET** button to reset Filter clean reminder.
   - 3 seconds after setting **Filter clean reminder** function, (Filter Reset) indicator on the remote controller display will disappear and (CF) indicator on the indoor unit display will disappear.

Setting the Display option

Display lighting can be adjusted by following this instruction.

1. Press the **Settings** button.
2. Press the ◁, ▷ or **Settings** button until (Display) indicator starts to blink.
3. Press the **SET** button to set the display status.
   - 3 seconds after setting **Display** function, (Display) indicator on the remote controller display will disappear and indoor unit display will be turned off.

Cancel

- ▶ Press the **Settings** button → Press the ◁, ▷ or **Settings** button to make (Display) indicator blink and press the **SET** button.
- ▶ (Display) indicator on the remote controller display will disappear and the indoor unit display will be turned on again.

NOTE

- Display option cannot be set when the air conditioner is off.
- If you turn off the display when the **Virus doctor** function is in operation with air conditioner operation, the indoor unit display and **Virus Doctor** lamp will be turned off at the same time.
- Operation or timer display will not be turned off by the display off function.

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Setting the Beep sound

Beep sound from the indoor unit can be muted.

1. Press the **Settings** button.
2. Press the ◁, ▷ or **Settings** button until (Beep) indicator starts to blink.
3. Press the **SET** button to mute the beep sound.
   - 3 seconds after setting **Beep sound** function, (Beep) indicator on the remote controller display will disappear and **Beep sound** function will begin.

Using the Smart A/C application

You can conveniently control your air conditioner anywhere with Smart APP.

WIFI(WPS) is not seen to new remote control LCD.(It is hidden function .)

Remote controller display

1. Press the **Timer** button to set the WiFi function.
   - Press the **Timer** button for 4 seconds.
   - ( ) will blink first, then(AP) appears on the remote controller display for few seconds and disappears. WiFi function will begin.

2. Press the **Settings** button to set the WPS function.
   - Press the **Settings** button for 4 seconds.
   - ( ) will blink first, then disappears and WPS function will begin.

NOTE

- For detail information, please refer to Smart A/C application manual.
- Smart A/C application may not be available for some models.

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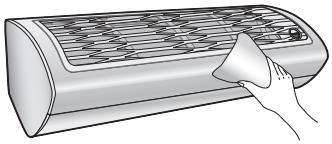
Cleaning the air conditioner

CAUTION

- **Make sure to turn off the power of the indoor unit and cut-off the power supply before cleaning the air conditioner.**

Cleaning the indoor unit

- Clean the product with a tepid damp cloth.
- Remove the dust accumulated in the gap of the product with a soft brush.



NOTE

- Contact the service center when you clean the indoor unit heat exchanger because it needs to be disassembled.

CAUTION

- Do not clean the display using alkaline detergent.
- Do not use sulfuric acid, hydrochloric acid, organic solvents (such as thinner, kerosene and acetone etc.) to clean the surface of the product or put any stickers on it. They may damage the surface of the air conditioner.

Cleaning the outdoor unit heat exchanger

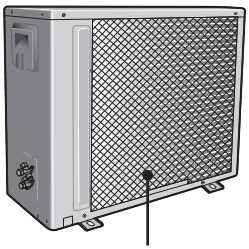
- When dust accumulates on the heat exchanger, it may decrease cooling performance. Therefore, clean it regularly.
- Spray water to clean the dust.

NOTE

- If it is difficult to clean the outdoor unit heat exchanger on your own, contact service center.

CAUTION

- Be careful with the sharp edges on the outdoor unit heat exchanger.



Heat exchanger

(Illustration may differ slightly depending on the models)

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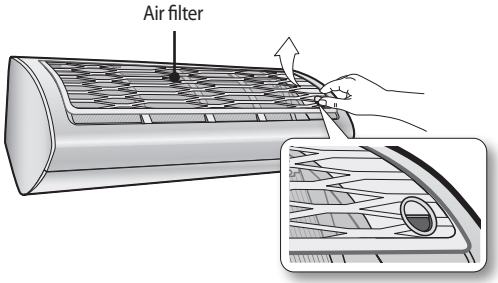
Cleaning the air conditioner

Removing the Air filter

There is a hole on the bottom right side of the filter. Put your finger in that hole to get a grip on the filter and slightly push it up to release the hooks from the bottom side. Then, pull it down to remove the filter from the main body.

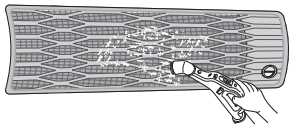


Cleaning the air filter

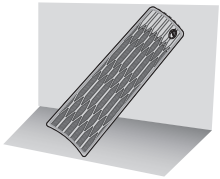
Washable foam based air filter captures large particles from the air. The filter is cleaned with a vacuum or by hand washing.

Remove the Air filter from the main body.

Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, rinse it with running water.



Dry the Air filter in a ventilated area.



Insert the Air filter back in its original position.

NOTE

- Clean the Air filter every 2 weeks. Cleaning term may differ depending on the usage and environmental conditions. In dusty area, clean it once a week.
- If the Air filter dries in a confined (or humid) area, odors may generate. If it occurs, re-clean and dry it in a well-ventilated area.
- When the filter clean reminder is on, please press the **2nd F** button and then press the **Single User** button on remote controller.

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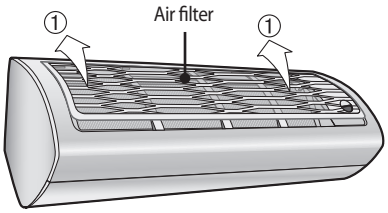
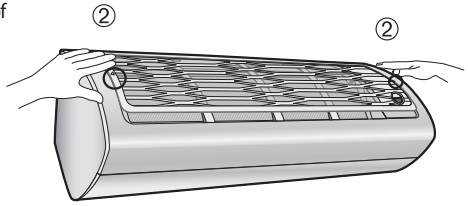
Reassembling the Air filter

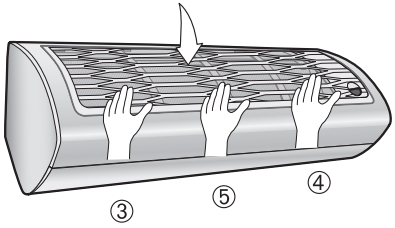
1. Put the filter on the main body and insert the hooks which are in the top of the Air filter into the the main body. ①



2. There's one hook in both side of the filter, press the surface of the Air filter softly and get the hooks into the main body. ②



3. Press the bottom of the filter lightly to securely fix the main body. ③④⑤



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Maintaining the air conditioner

If the air conditioner will not be used for an extended period of time, dry the air conditioner to maintain it in best condition.

1. **Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and cut-off the power supply. There may be internal damage if moisture is left in components.**
2. **Before using the air conditioner again, dry the inner components of the air conditioner again by running in Fan mode for 3 to 4 hours. This helps remove odors which may have generated from dampness.**

Periodical checks

Refer to the following chart to maintain the air conditioner properly.

Type	Description	Every 2 weeks	Every 3 months	Every 4 months	Once a year
Indoor unit	Clean the air filter (1)	●			
	Clean the condensate drain pan (2)				●
	Thoroughly clean the heat exchanger (2)				●
	Clean the cross fan (2)			●	
	Clean the condensate drain pipe (2)			●	
	Replace the remote controller batteries (1)				●
Outdoor unit	Clean the heat exchanger on the outside of the unit (2)			●	
	Clean the heat exchanger on the inside of the unit (2)				●
	Clean the electric components with jets of air (2)				●
	Verify that all the electric components are firmly tightened (2)				●
	Clean the fan (2)				●
	Verify that all the fan assembly is firmly tightened (2)				●
	Clean the condensate drain pan (2)				●

● : **This check mark requires checking the indoor/outdoor unit periodically. Follow the description to maintain the air conditioner properly.**

CAUTION

(1) The described operations should be performed more frequently if the area of installation is very dusty.
(2) These operations must always be performed by qualified personnel. For more detailed information, see the installation part in the manual.

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Troubleshooting

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expenses.

PROBLEM	SOLUTION
The air conditioner does not work at all.	• Check power status and then operate the air conditioner again. • Plug in or switch on the circuit breaker and then operate the air conditioner again. • Ensure Isolator is switch on. • Check if you have set the Off Timer. Operate the air conditioner again by pressing the **Power** button. • Push down the Grille Door manually,maybe the Grille Door's stepping motor has problem. And Check the display,if error indicator appears,the air conditioner has another problem also.Contact the nearest service center.
The temperature adjustment is not working.	• Check if you have selected Fan/Fast mode. In these modes, set temperature is set to auto and you cannot adjust the temperature.
Cool/Warm air does not come out of the air conditioner.	• Check if the set temperature is higher(during Cool mode)/ lower(during Heat mode) than the current temperature. Press the **Temp +** or **-** button on the remote controller to change the set temperature. • Check if the Air filter is blocked by dirt. If there is a lot of dust on the Air filter, cooling(heating) performance may decrease. Clean them frequently. • Check if the outdoor unit is covered or installed near the obstacle. Take the cover off and take the obstacle away. • Check if the air conditioner is operating in defrost mode. When the ice formed in winter or the outdoor temperature is too low, the air conditioner operates in defrost mode automatically. In defrost mode, indoor fan stops and warm air does not come out. • If the doors or windows are open, it may cause bad cooling (heating) performance. Close the doors and windows. • Check if the air conditioner has just been turned on after stopping cooling or heating operation. In this case, just a fan will run to protect the outdoor unit compressor. • Check if the pipe length is too long. When the pipe length exceeds maximum allowable pipe length, cooling (heating) performance may decrease.

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Troubleshooting

PROBLEM	SOLUTION
Air flow adjustment is not working.	• Check if you have selected **good'sleep** mode. In cool mode, you cannot adjust the air flow direction. (If the **good'sleep** mode is operating in Heat mode, you can adjust the air flow direction.)
Fan speed adjustment is not working.	• Check if you have selected Auto/Dry/Fast/Comfort/ **good'sleep** mode. In these mode, fan speed is set to Auto and you cannot adjust the fan speed.
Remote controller is not working.	• Check if your batteries are depleted. • Make sure nothing is blocking your remote controller sensor. • Check that there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.
Timer function does not set.	• Check if you press the **Set/Cancel** button on the remote controller after you have set the time.
The indicator is blinking continuously.	• Press the **Power** ⏻ button or disconnect the power plug/ switch off the auxiliary power switch. If the indicator is still blinking, contact the service center.
Odors permeate in the room during operation.	• Check if the appliance is running in a smoky area. Ventilate the room or operate the air conditioner in Fan mode for 1~2 hours. (We do not use smelly components in the air conditioner.) • Check the Drains have been cleared Regular Maintenance.
Error is indicated.	• When an indoor unit indicator blinks, contact the nearest service center. Please ensure the error code is passed onto the service center when booking the service call.
Noise is generated.	• Depending on the status of the air conditioner usage, noise can be heard when refrigerant flow movement changes. It is normal.
Smoke is generated from the outdoor unit.	• If may not be a fire but it can be a steam generated by the defrost operation from outdoor heat exchanger during Heat mode in winter.
Water is dropping from the outdoor unit piping connection.	• Water may be generated because of the temperature difference. It is normal.

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QUESTIONS OR COMMENTS?

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